

Recombinant Mouse Prf1 protein, His/GST-tagged

Cat. No. Prf1-25M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prf1(Val40-Lys355) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	40-355 a.a.
Description	perforin 1 (pore forming protein) played an important role in many biological functions.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	67.2kDa
AA Sequence	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAAKFERQHM DSPDLGTLEV LFQGPLGSEF- V WMAGEGMDVT TLRRSGSFPV NTQRFLRPDR TCTLCKNSLM RDATQRLPVA ITHWRPHSSH CQRNVAAAKV HSTEGVAREA AANINNDWRV GLDVNPRPEA NMRASVAGSH SKVANFAAEK TYQDQYNFNS DTVECRMYSF RLVQKPPLHL DFKKALRALP RNFNSSTEHA YHRLISSYGT HFITAVDLGG RISVLTALRT CQLTLNGLTA DEVGDCLNVE

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AQVSIQAQAS VSSEYKACEE KKKQHKMATS FHQTYRERHV EVLGGPLDST
HDLLFGNQAT PEQFSTWTAS LPSNPGLVDY SLEPLHTLLE EQNPK

Endotoxin <1.0EU per 1g (determined by the LAL method)

Purity > 95%

Applications SDS-PAGE; WB; ELISA; IP.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name [Prf1 perforin 1 \(pore forming protein\) \[Mus musculus \]](#)

Official Symbol [Prf1](#)

Synonyms PRF1; perforin 1 (pore forming protein); perforin-1; P1; cytolyisin; pore forming protein; lymphocyte pore-forming protein; Pfn; Pfp; Prf-1;

Gene ID [18646](#)

mRNA Refseq [NM_011073](#)

Protein Refseq [NP_035203](#)

MIM

UniProt ID [P10820](#)

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Chromosome Location	10 B4; 10 32.18 cM
Pathway	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Apoptosis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem;
Function	calcium ion binding; metal ion binding; wide pore channel activity; wide pore channel activity;

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